

SPECIFICATIONS

Teleflex SX	
TDR	20 m ... 160 km @ v/2 = 80 m/μs
Transienten	20 m ... 160 km
Pulse width	20 ns ... 5 μs
Sampling rate	up to 400 MHz
Display	10.4" color TFT XGA 1024x768, capacitive Touchscreen
V/2	10 ... 149.9 m/μs
Modes	Symmetrical/unsymmetrical reflection measurement Difference measurement/ comparison All ARM Arc Reflection methods, ARM Slide, Pro Range, All ICE impulse current decoupling methods DECAY travelling wave method IFL Intermittent Fault Location Arc reflection burning
Memory	4 GB
Interface	Ethernet, USB, BNC, CAN (LON optional)
Impedance matching	8 Ω ... 500 Ω, adjustable
Operating temperature	-10 °C ... + 50 °C
Supply	NiMh-Battery, 110 - 230 V; 50/60 Hz, 12 V DC
Dimensions (W x H x D)	362 x 195 x 306 mm
Weight	10 kg
SFX 40	
Display	¼ VGA
Insulation test	Voltages 1,000 V and 5,000 V ranges 1 kΩ, 1 MΩ, 100 MΩ
DC testing	0 ... 40 kV DC
Leakage current	0 ... 1/10/100 mA automatic measuring area setting
Breakdown detection	0 ... 40 kV
Burning	0 ... 8 kV; 0.7 A; 0 ... 20 kV; 0.1 A
Upper surge voltages	0 ... 12.5 / 25 kV or 0 ... 16 / 32 kV
Lower surge voltages (optional)	0 ... 4 kV or 0 ... 8 kV 0 ... 3 kV or 0 ... 6 kV
Surge energy	1,000 J in every range (optionally 2,000 J for vehicle installation)
Surge sequence	3 ... 10 sec. and single pulse
Sheath fault location	0 ... 5 kV and 0 ... 10 kV
Cycle intervals	DC; 1:3 ; 1:4 ; 1:6 (sec.)
HV prelocation (with optional TDR)	ARM, ICE current decoupling Decay voltage coupling ICE Plus option (for 4 and 8 kV)
Operating temperature	-10 °C ... + 50 °C
Power supply	230 V; 50 / 60 Hz (110 V optional)
Power consumption	1.7 kVA max.
Dimensions (L x W x H)	520 x 430 x 1,050 mm
Weight	ca. 116 kg (incl. opt. surge level)



SFX 40

- High surge energy
- Portable and test van installation version
- All HV prelocation methods integrated
- High level of operational comfort and safety

Description

The SFX 40 is a mobile, multifunctional system for testing, converting, prelocation and pinpointing cable faults in low and medium voltage networks.

The system is controlled directly via the connected Teleflex SX reflectometer or the integrated control panel. Depending on the installation, the HV is controlled either by the network and HV control integrated in the device or by a separate HV ON/ OFF box. All functions of the system can be easily performed using the selector knob.

The software supports easy and clear handling, even for inexperienced users. At the same time, the highest degree of safety is guaranteed.

Modes of operation

- Insulation test up to 5,000 V
- DC test up to 40 kV with ramp function, automatic switch-off in case of breakdown and display of breakdown voltage
- ARM prelocation procedure method, ICE impulse current method and decay voltage decoupling
- Fault conversion / burning with adjustable burning current
- Acoustic pinpointing
- Sheath fault location with step voltage method

ORDERING CONFIGURATION											
Teleflex		HV Version		Version		Voltage HV		Voltage LV		TDR	
Yes	SFX 40	32 kV	32	VehicleInstallation	M	16 / 32; 1000 J	1	4 kV; 1000 J	1	Teleflex VX	1
No	SPG 40	25 kV	25	Portable with trolley	P	16 / 32; 2000 J	2	8 kV; 1000 J	2	Teleflex SX	2
						12,5 / 25 kV; 1000 J	3	4 / 8 kV; 2000 J	3	T 3060	3
						12,5 / 25 kV; 2000 J	4	3 kV; 1000 J	4		
								6 kV; 1000 J	5		
								3 / 6 kV; 2000 J	6		
								No LV	7		
<p>Example SFX-40-32-M-2-3-2 represents an SFX 40-32-M with 4,8,16,32 kV 2000 J and Teleflex SX</p>											

ORDERING INFORMATION	
Product	Order Code
<i>Special accessories</i>	
External emergency stop switch with warning lamp system	
DigiPHONE+	1003316
DigiPHONE+ NT Combi system	1003317
Short to earth detector	EGS 80-2